Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	11/02/2020 09:25 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	02/04/2020 09:45 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020 (Expired)
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	122923	-2	3.22	123039	3.25
Blue	F	SSC	125000	123464	-2	1.74	124233	1.74
Blue	E	FITC	15892	15431	-3	2.89	335	21.36
Blue	D	PE	29999	29192	-3	1.96	635	15.59
Blue	B	PerCP-Cy5-5	43732	43059	-2	3.79	1152	21.94
Blue	A	PE-Cy7	30845	30585	-1	6.35	583	43.65
Red	C	APC	46112	45457	-2	2.47	1608	12.15
Red	A	APC-Cy7	30458	29364	-4	2.37	774	12.17
Violet	B	V450	7918	7497	-6	4.46	421	13.16
Violet	A	V500	32171	30944	-4	4.23	721	10.33

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	16933	18.94	653	32	N/A	N/A	Pass
Blue	F	SSC	56366	1.29	583	24	N/A	N/A	Pass
Blue	E	FITC	61	65.51	553	10	0.0169	82	Pass
Blue	D	PE	132	51.01	559	11	0.1332	213	Pass
Blue	B	PerCP-Cy5-5	210	53.09	668	12	0.0077	30	Pass
Blue	A	PE-Cy7	103	113.73	714	16	0.0096	24	Pass
Red	C	APC	384	24.94	588	4	0.0240	112	Pass
Red	A	APC-Cy7	170	29.65	559	3	0.0054	1125	Pass
Violet	B	V450	65	60.65	463	5	0.0561	2414	Pass
Violet	A	V500	108	32.35	479	5	0.0242	659	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	11/02/2020 09:25 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	02/04/2020 09:45 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.92	-32.34	0.99
Blue	20.35	16.27 - 24.41	1.27	0.99 - 1.49	0.00	0.00	1.42
Red	15.30	13.60 - 20.40	N/A	N/A	29.65	30.13	1.18

Window Extension: 7.00
FSC Area Scaling Factor: 0.74

Threshold

Threshold (FSC): 9594

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments